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(54) CELL PLATE FOR SOLID ELECTROLYTE TYPE FUEL CELL AND POWER GENERATION UNIT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a cell plate, a columnar cell, a stack, a module and a power generation unit for a solid electrolyte type fuel cell having high generation efficiency and a good utilization rate and to provide a solid electrolyte type fuel cell system using them.

SOLUTION: This cell plate for the solid electrolyte type fuel cell is composed by supporting a cell element part on a support base so that at least one fuel electrode layer and one air electrode layer are exposed to the front surface and to the back surface and a solid electrolyte layer is made to be electrically independent. This cylindrical cell for the solid electrolyte type fuel cell is composed by cylindrically rolling the cell plate for the fuel cell. This fuel cell power generation unit is composed by using the stack and the module, and used for running a mixed gas in a space between the cell plates or in a space between the cell plate and the columnar cell.

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